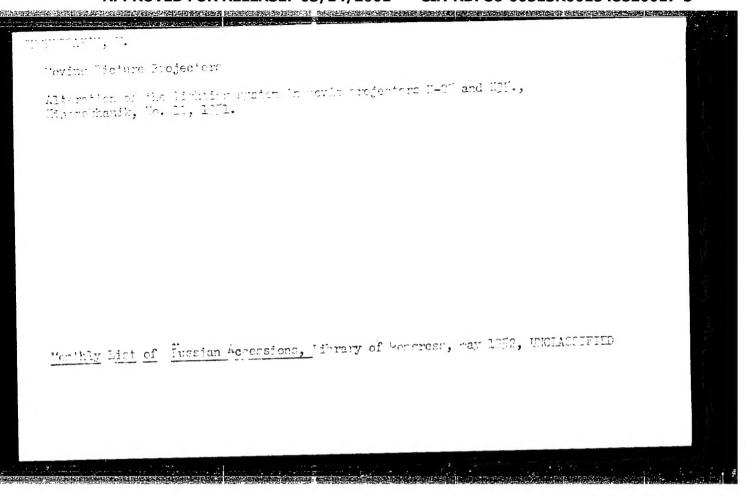SHCHERBAKOV, M.

A useful book ("Biological basis of plant breeding" by B.A.
Vakar. Reviewed by M.Shcherbakov). Politekh.obuch. no.10:
91-92 0 '59.   (MIRA 13:2)

1. Institut metodov obucheniya APN RSFSR.
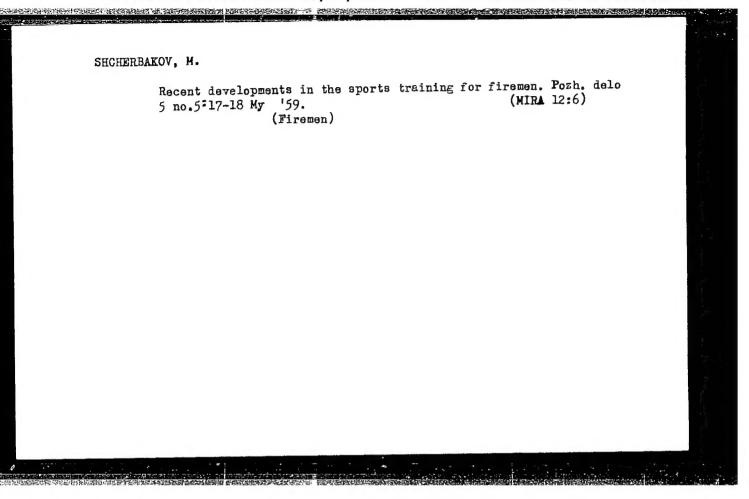   (Plant breeding)
            (Vakar, B.A.)

Moving Picture Projectors

Alteration of the lighting system in movie projectors K-0' and K3P',
Kinomekhanik, No. 11, 1951.

Monthly List of Russian Accessions, Library of Congress, May 1952, UNCLASSIFIED

SHCHERBAKOV, M. (Moscow).

Fixing the doe-skin slides of the film-gate without glue.   Kinomekhanik no.9:
30-31 S '53.   (MLRA 6:9)
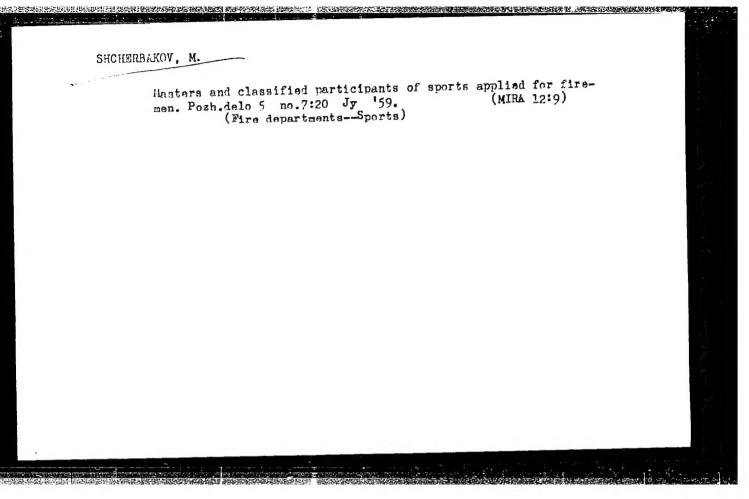   (Moving-picture projectors)

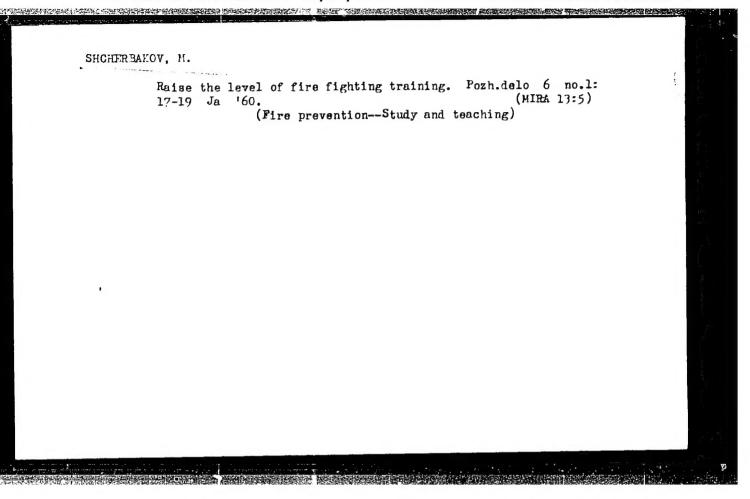SHCHERBAKOV,M.,ofitser zapasa

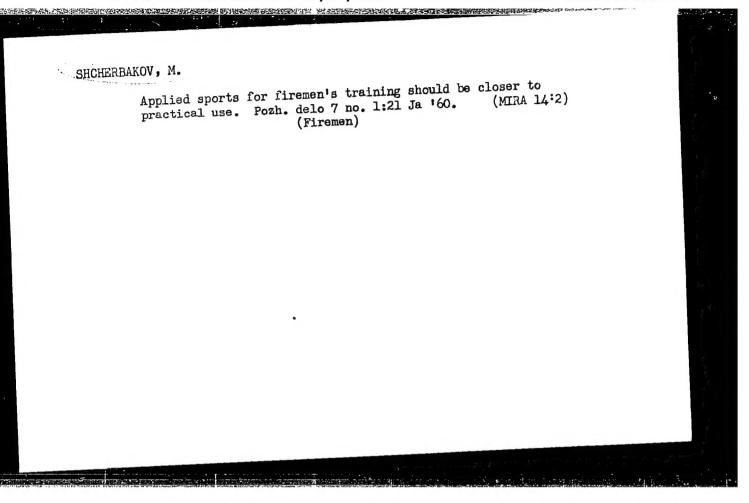Control by radio of a self-contained signaling device. Mor.flot
20 no.19:40 O '60.   (MIRA 13:10)
   (Scotland--Signals and signaling) (Remote control)

SHCHERBAKOV, M.

Recent developments in the sports training for firemen. Pozh. delo
5 no.5:17-18 My '59.   (MIRA 12:6)
                    (Firemen)

SHCHERBAKOV, M.

Masters and classified participants of sports applied for fire-
men. Pozh.delo 5 no.7:20 Jy '59.   (MIRA 12:9)
            (Fire departments--Sports)

SHCHERBAKOV, M.

Raise the level of fire fighting training. Pozh.delo 6 no.1:
17-19 Ja '60.   (MIRA 13:5)
(Fire prevention--Study and teaching)

SHCHERBAKOV, M.

Applied sports for firemen's training should be closer to
practical use. Pozh. delo 7 no. 1:21 Ja '60.   (MIRA 14:2)
(Firemen)

SHCHERBAKOV, I.

Training of firemen should be at the level of present-day requirements. Pozh. delo 7 no. 2:17-19 F '61.   (MIRA 14:2)

(Fire departments)

SHCHERBAKOV, M.

For a better knowledge of technology. Pozh. delo 8 no.10:19
O '62. (MIRA 15:10)

(Moscow—Firemen—Education and training)

SHCHERBAKOV, M.

A most urgent need. Pozh.delo 8 no.11:18 N '62. (MIRA 15:11)
(Fire prevention—Study and teaching)

SHCHERBAKOV, M.A., master; AGAPOV, A.D., slesar'.

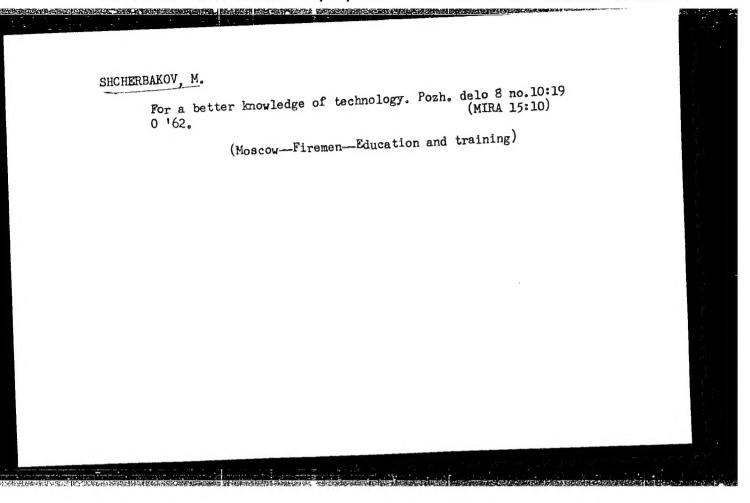Remote water level indicator. Energetik 1 no.4:17-18 S '53.   (MLRA 6:8)
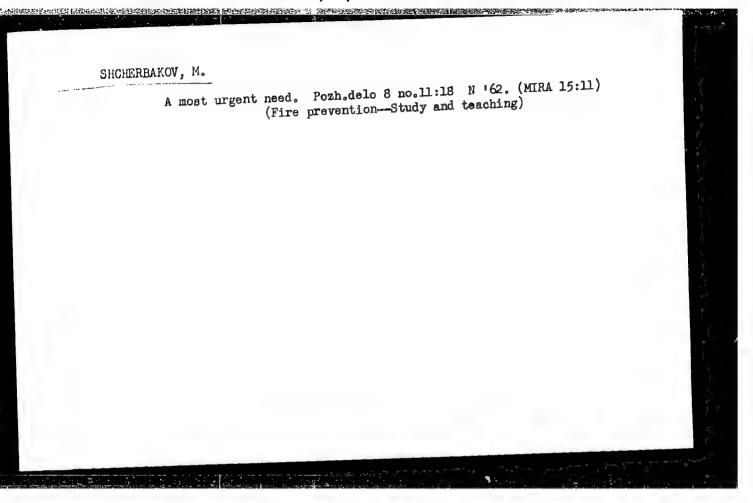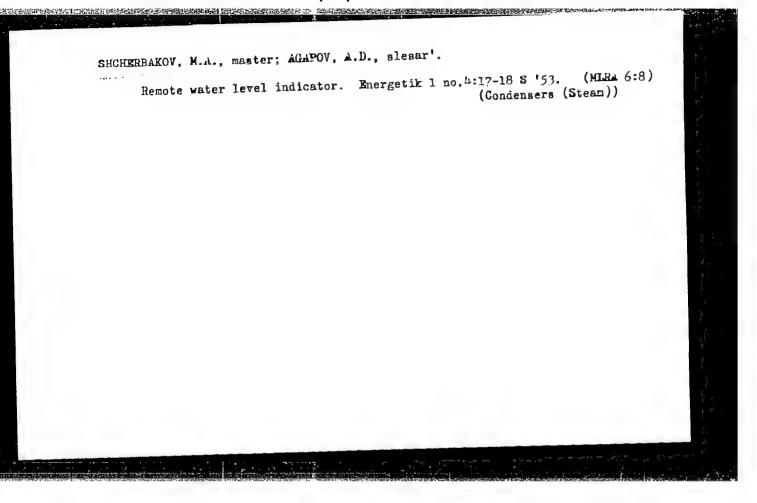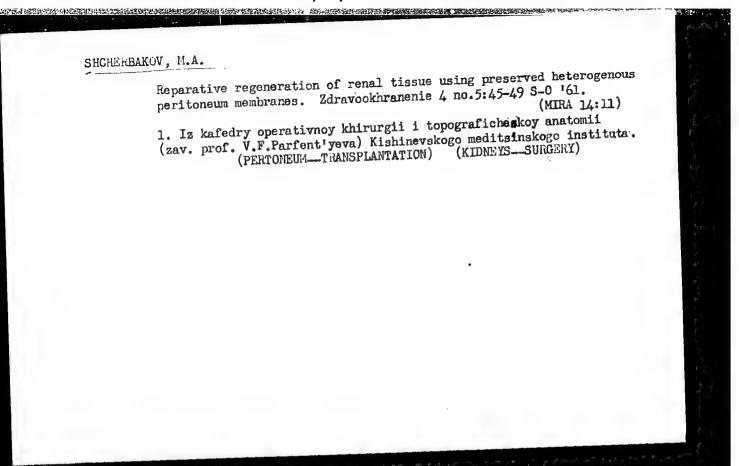(Condensers (Steam))

SHCHERBAKOV, M. A., Cand of Med Sci -- (diss)"The use of plastin from a heterogenic reserved peritoneum in surgery on parenchymal organs of the abdominal cavity." Kishinev, 1957, 12 pp (Kishinev State Medical Institute) 200 copies (KL, 29-57, 94)

SHCHERBAKOV, M.A.

Reparative regeneration of renal tissue using preserved heterogenous peritoneum membranes. Zdravookhranenie 4 no.5:45-49 S-O '61.
(MIRA 14:11)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii (zav. prof. V.F.Parfent'yeva) Kishinevskogo meditsinskogo instituta.
(PERTONEUM—TRANSPLANTATION)   (KIDNEYS—SURGERY)

SHCHERBAKOV, M.   FD-516

USSR/Chemistry - Packaging and handling

Card 1/1   : Pub. 50-15/23

Authors   : Matkovskiy, A. N., Shcherbakov, M. A., and Fedorova, V. K.

Title   : Experience in the use of sewing machines to seal bags.

Periodical   : Khim. prom., 303 (47), Jul/Aug 1954

Abstract   : Describe the use of special sewing machines to seal paper bags in which ammonium nitrate is packed at one of the chemical combines (name not given).

Institution   :

Submitted   :

TARAN, S.N.; SHCHERBAKOV, M.G.; MANIN, I.I., retsenzent; KOLTUNOVA,
M.P., red.; YURCHENKO, I.F., red.; VOROB'YEVA, L.V., tekhn.
red.

[Wages in industrial enterprises and construction organiza-
tions of railroad transportation; a manual] Oplata truda v
promyshlennykh predpriiatiiakh i stroitel'nykh organizatsi-
iakh zheleznodorozhnogo transporta; spravochnik. Moskva,
Izd-vo "Transport," 1964. 246 p. (MIRA 17:4)

SHCHERBAKOV, Mikhail Grigor'yevich; FISENKO, Vitaliy Isidorovich;
    NOVIKOV, Yevgeniy Ivanovich; YURCHENKO, I.F., inzh., red.
KOLTUNOVA, M.P., red.

[Wages in the maintenance and operation of tracks, buildings
and structures; a manual] Oplata truda v khoziaistvakh puti,
zdanii i sooruzhenii; spravochnik. Izd.2., perer. i dop.
Moskva, Transport, 1964. 309 p.   (MIRA 18:4)

KUKLANOV, I.N., inzh.; KHLISTUN, V.I.; SHCHERBAKOV, M.I.

Analysis of the designs of blastproof inertial mine locomotives
with hydraulic drives. Vop. rud. transp. no.6:251-269 '62.
                                                    (MIRA 15:8)

1. Toretskiy mashinostroitel'nyy zavod.
                          (Mine railroads)

SHIBANOV, A.A., STAVROVSKIY, A.Ye; SHCHERBAKOV, N.I.; SMIRNOV, V.I.;
PROFERANSOVA, N.V., redaktor; SOKOLOVA, R,YA., tekhnicheskiy
redaktor.

[Studying agriculture in rural schools] Izuchenie sel'skokhoziai-
stvennogo proizvodstva v sel'skoi shkole. Moskva, Izd-vo Akad.
pedagog.nauk RSFSR, 1956. 191 p.   (MLRA 10:6)

(Agriculture--Study and teaching)

K

GRIDNEV, Alekcey Aleksandrovich; STAVROVSKIY, Aleksandr Yevgen'yevich;
SHCHERBAKOV, Mikhail Ivanovich; TRUYEVTSEVA, M.F., redaktor,
NATAPOV, V.I., tekhnicheskiy redaktor

[Practical manual on the principles of plant culture and agricultural
machinery; a manual for students in grades 8 and 9 of secondary
schools] Praktikum po osnovam rastenievodstva i sel'skokhoziaistven-
nomu mashinovedeniiu; posobie dlia uchashchikhsia VIII i IX klassov
srednei shkoly. Izd. 2-oe. Moskva, Gos.uchebno-pedagog.izd-vo
M-va prosv. RSFSR, 1957. 119 p.   (MIRA 10:10)
        (Agriculture) (Agricultural machinery)

SHCHERBAKOV, M.I., kand.sel'skokhozyaystvennykh nauk

School course of studies on the subject "Fundamentals of plant
growing." Biol.v shkole no.5:62-66 S-O '59.   (MIRA 13:8)

1. Institut metodov obucheniya APN RSFSR.
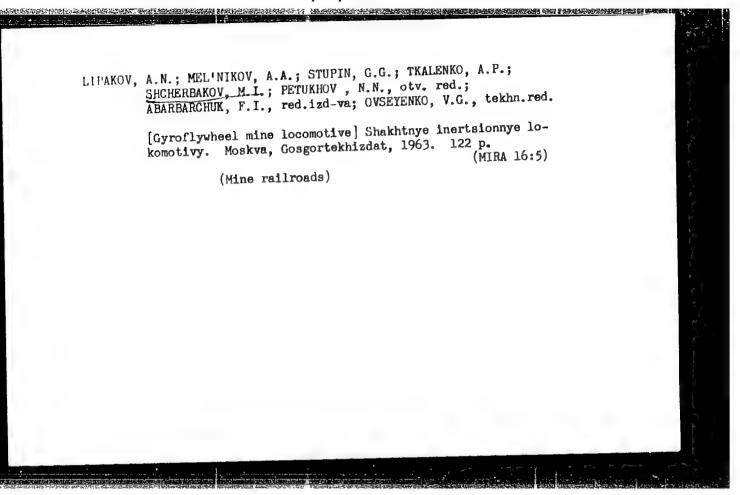   (Agriculture--Study and teaching)

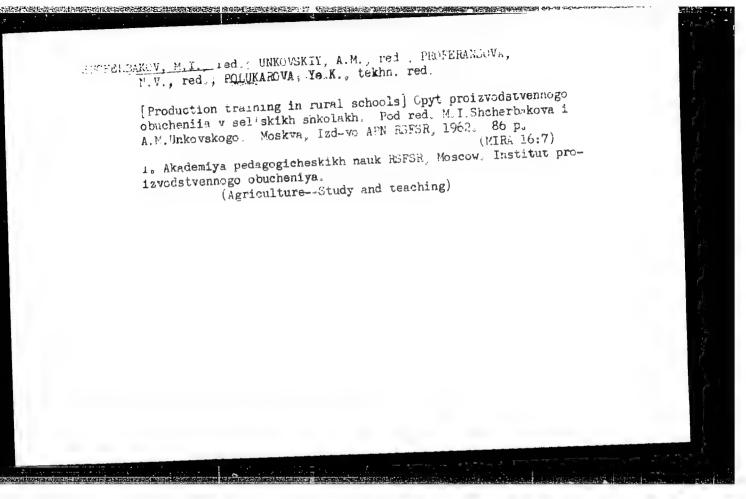SHCHERBAKOV, M.I., kand.sel'skokhozyaystvennykh nauk

Ways for relating school to everyday life. Biol.v shkole no.2:
46-50 Mr-Ap '60. (MIRA 13:8)

1. Institut metodov obucheniya Akademii pedagogicheskikh nauk
RSFSR.
(Agriculture--study and teaching)

LIPAKOV, A.N.; MEL'NIKOV, A.A.; STUPIN, G.G.; TKALENKO, A.P.;
SHCHERBAKOV, M.I.; PETUKHOV , N.N., otv. red.;
ABARBARCHUK, F.I., red.izd-va; OVSEYENKO, V.G., tekhn.red.

[Gyroflywheel mine locomotive] Shakhtnye inertsionnye lo-
komotivy. Moskva, Gosgortekhizdat, 1963. 122 p.
(MIRA 16:5)

(Mine railroads)

SHCHERBAKOV, M.I., red.; UNKOVSKIY, A.M., red.; PROFERANSOVA, N.V., red.; POLUKAROVA, Ye.K., tekhn. red.

[Production training in rural schools] Opyt proizvodstvennogo obucheniia v sel'skikh snkolakh. Pod red. M.I.Shcherbakova i A.M.Unkovskogo. Moskva, Izd-vo APN RSFSR, 1962. 86 p.
(MIRA 16:7)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut pro-izvodstvennogo obucheniya.
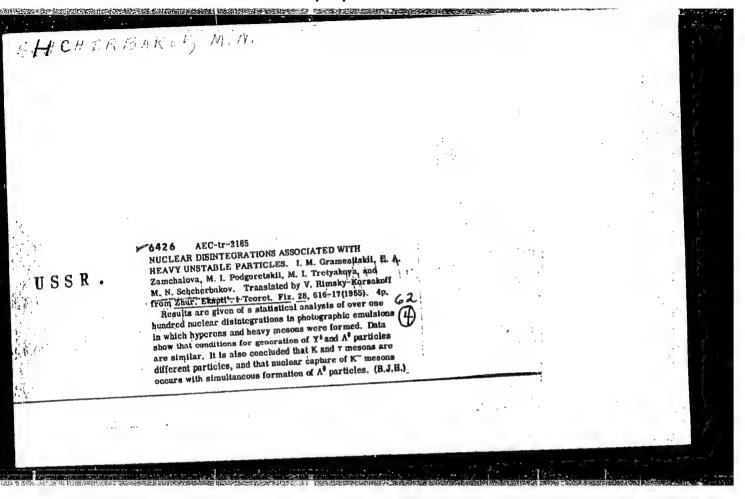(Agriculture--Study and teaching)

MIKHAYLOV,V.N., doktor tekhnicheskikh nauk; KULIKOV,V.A., kandidat
tekhnicheskikh nauk; SHCHERBAKOV,M.M., inzhener

Standardizing the cross sections of furniture parts. Der.prom.
4 no.6:3-5 Je'55.   (MLRA 8:10)

1. Leningradskaya orde   Lenina lesotekhnicheskaya akademiya imeni
S.M.Kirova
                    (Furniture industry)

*SH*CH*ER*BAK*O*V* *M. N.*

USSR.

6426   AEC-tr-2185
NUCLEAR DISINTEGRATIONS ASSOCIATED WITH
HEAVY UNSTABLE PARTICLES. I. M. Gramenitskii, E. A.
Zamchalova, M. I. Podgoretskii, M. I. Tretyakova, and
M. N. Schcherbakov. Translated by V. Rimsky-Korsakoff
from Zhur. Eksptl. i Teoret. Fiz. 28, 616–17(1955). 4p.   62
    Results are given of a statistical analysis of over one   4
hundred nuclear disintegrations in photographic emulsions
in which hyperons and heavy mesons were formed. Data
show that conditions for generation of $Y^{\pm}$ and Λ^0 particles
are similar. It is also concluded that K and τ mesons are
different particles, and that nuclear capture of K^- mesons
occurs with simultaneous formation of Λ^0 particles. (B.J.H.)

BLAGOOBRAZOV. V.A.; BONDAREV, L.G.; KOZHEVNIKOVA. N.D.; POGODINA. G.S.;
    TOKOBAYEV, M.M.; CHUMICHEVA, G.D.; SHCHERBAKOV, M.P.; ZABIROV,
R.D., kand. geogr. nauk, red.; BLAGOOBRAZOV, V.A., red.;
SKRIPKINA, Z.I., red.izd-va; ANOKHINA, M.G., tekhn. red.

[The Naryn River basin; physicogeographical features] Bassein reki
Naryn;fiziko-geograficheskaia kharakteristika. Frunze, 1960. 288 p.
                                        (MIRA 14:6)

1. Akademiya nauk Kirgizskoy SSR, Frunze. Otdel geografii.
            (Naryn Valley—Physical geography)

SHIRINKULOV, M.P.

Role of meteorological factors in the development of a snow mass. Izv. AN SSSR. Ser. geog. no. 2:115-119 Mr-Ap '64.
(MIRA 17:5)

1. Institut energetiki KazSSSR.

SHCHERBAKOV, Mikhail Timofeyevich; GLUSHAKOV, P.I., otvetstvennyy redaktor;
KOSTINSKIY, D.N., redaktor; GLEYKH, D.A., tekhnicheskiy redaktor

[Burma] Birma. Moskva, Gos. izd-vo geogr. lit-ry, 1956. 53 p.
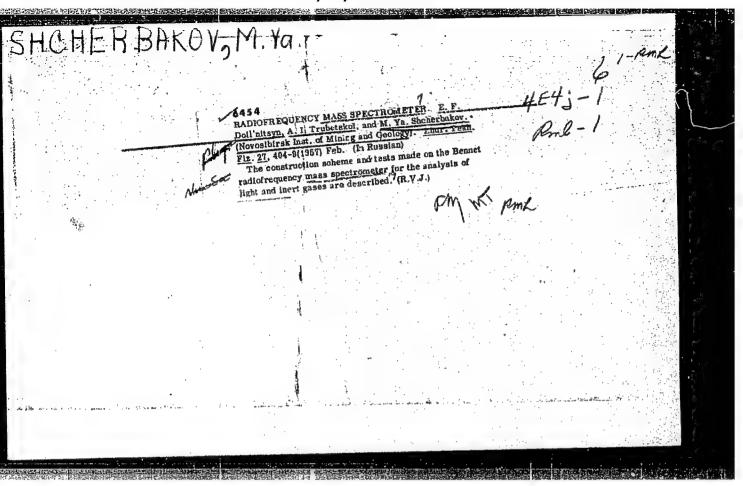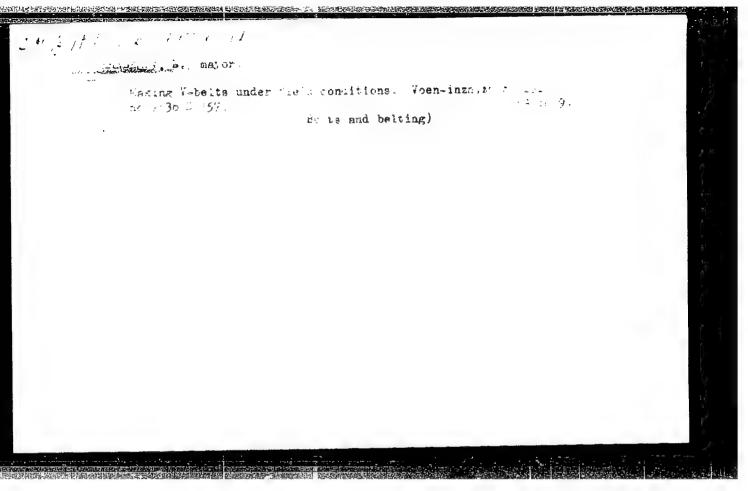   (Burma--Geography)   (MLRA 10:2)
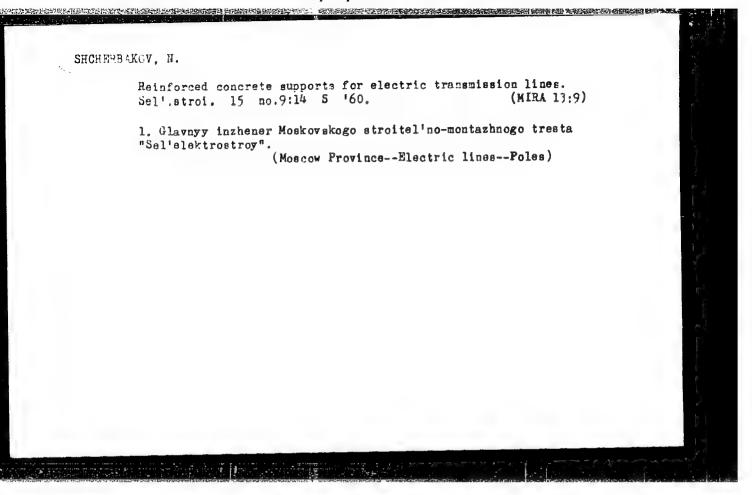
SHCHERBAKOV, M.V., aspirant

Role of potassium in the rations of lactating cows. Zhivotnovodstvo
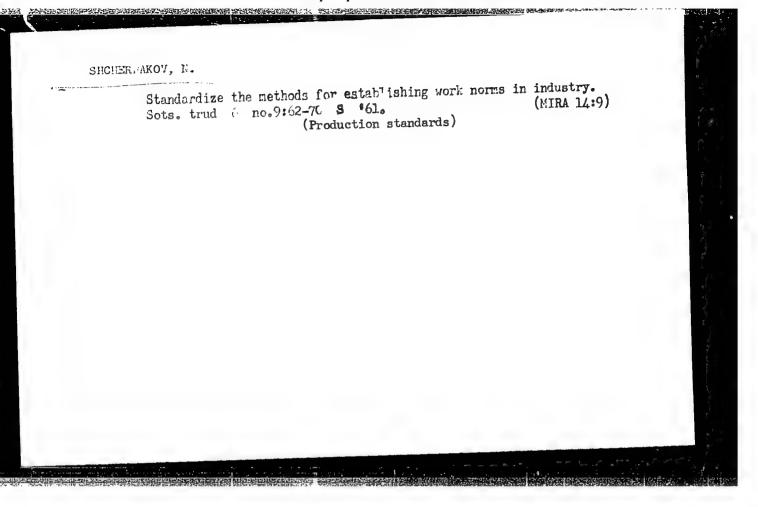20 no.9:70-72 S '58.   (MIRA 11:10)

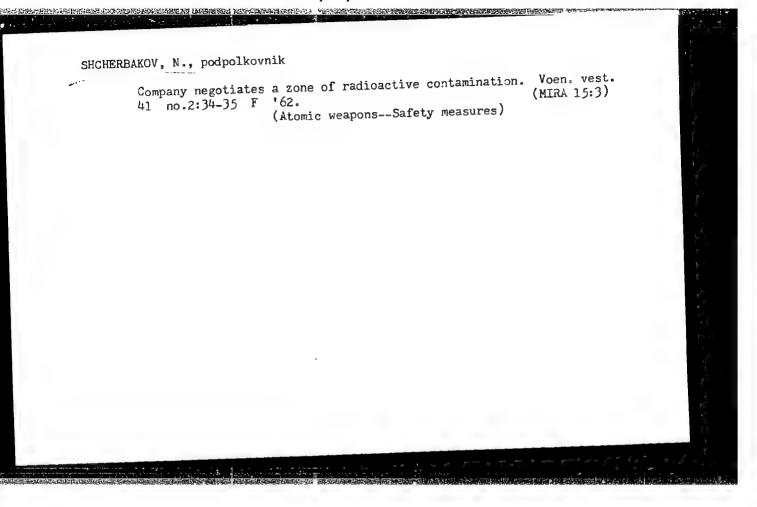1. Laboratoriya fiziologii Vsesoyuznogo instituta zhivotnovodstva.
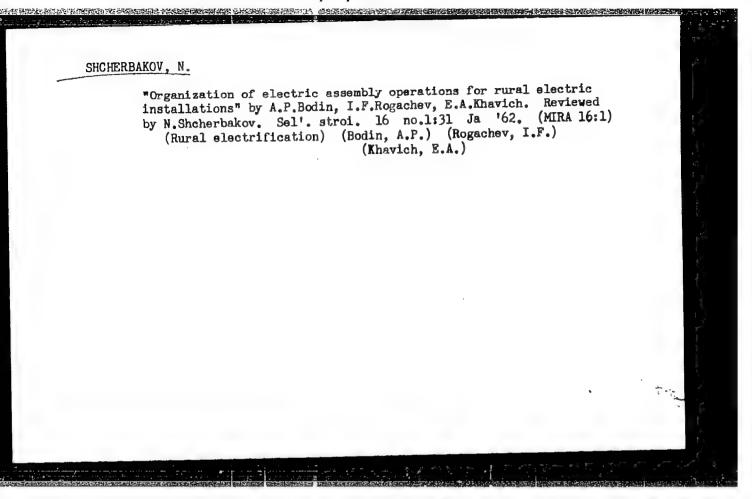   (Potassium metabolism)   (Cows)

SHCHERBAKOV, M. Ya.

6454
RADIOFREQUENCY MASS SPECTROMETER. E. F.
Doll'nitsyn, A. I. Trubetskoi, and M. Ya. Shcherbakov.
(Novosibirsk Inst. of Mining and Geology). Izvur. Tekh.
Fiz. 27, 404-9(1957) Feb. (In Russian)
The construction scheme and tests made on the Bennet
radiofrequency mass spectrometer for the analysis of
light and inert gases are described. (R.V.J.)

. . . . b. , major.

Making V-belts under field conditions. Voen-inzh. . . . . 9.
nr 3b 3 57.

(Belts and belting)

SHCHERBAKOV, N.

Reinforced concrete supports for electric transmission lines.
Sel'.stroi. 15 no.9:14 S '60.   (MIRA 13:9)

1. Glavnyy inzhener Moskovskogo stroitel'no-montazhnogo tresta
"Sel'elektrostroy".
                    (Moscow Province--Electric lines--Poles)

SHCHERBAKOV, N.

Standardize the methods for establishing work norms in industry.
Sots. trud 6 no.9:62-70 S '61.   (MIRA 14:9)
                    (Production standards)

SHCHERBAKOV, N., podpolkovnik

Company negotiates a zone of radioactive contamination. Voen. vest.
41 no.2:34-35 F '62.   (MIRA 15:3)
(Atomic weapons--Safety measures)

SHCHERBAKOV, N.

"Organization of electric assembly operations for rural electric
installations" by A.P.Bodin, I.F.Rogachev, E.A.Khavich. Reviewed
by N.Shcherbakov. Sel'. stroi. 16 no.1:31 Ja '62. (MIRA 16:1)
   (Rural electrification) (Bodin, A.P.) (Rogachev, I.F.)
                           (Khavich, E.A.)

SHCHERBAKOV, N. A.

20-1-18/54

AUTHOR: Alekseyeva, K.I., Brikker, S.I., Grigorov, N.L, Savin, F.D.,
            Shcherbakov, N.A.

TITLE: Determination of the Flux of Primary Cosmic Ray Particles at
            31°N. Latitude
            (Opredeleniye potoka pervichnykh kosmicheskikh chastits na shirote
            31° N.)

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol. 115, Nr 1, pp. 71 - 74
            (USSR)

ABSTRACT: On the occasion of the determination of the cross-section of
            the non-elastic interaction of the cosmic ray particles with
            the nuclei of carbon and hydrogen the authors determined the
            intensity of the hard components in stratosphere. These measure-
            ments made possible the determination of the flux of the cosmic
            particles at the border of atmosphere. The authors describe the
            apparatus for the measurements of the cross-section of non-
            elastic interaction as well as the results of the measurements
            of the intensity of hard components. (The results of the measure-
            ments of the cross-sections shall be published in later works).
            The scheme for the arrangement of the filters as well as of the
            counter is shown by means of a sketch. The telescope and the
            filters were surrounded by many hodoscopic counters for the re-

Card 1/3

20-1-18/54

Determination of the Flux of Primary Cosmic Ray Particles at 31° N. Latitude

ASSOCIATION: Moscow State University im. M. V. Lomonosov
                 (Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova)

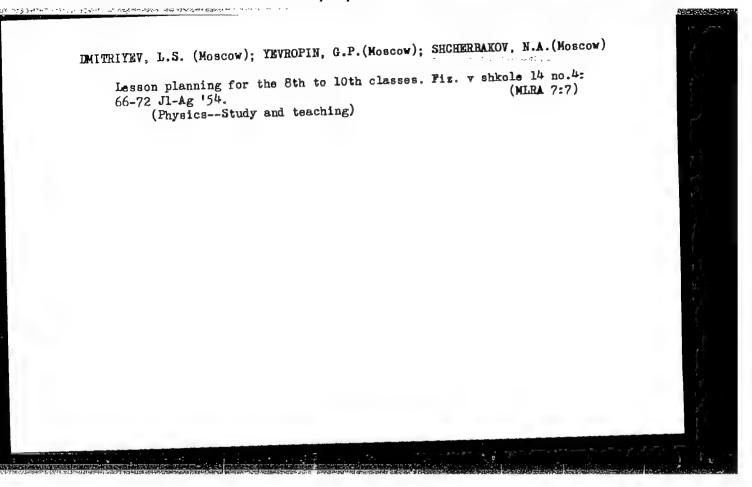PRESENTED BY: D.V. Skobel'tsyn, Academician, January 15, 1957

SUBMITTED: January 12, 1957

AVAILABLE: Library of Congress

Card 3/3

DMITRIYEV, L.S. (Moscow); YEVROPIN, G.P.(Moscow); SHCHERBAKOV, N.A.(Moscow)

Lesson planning for the 8th to 10th classes. Fiz. v shkole 14 no.4:
66-72 Jl-Ag '54.   (MLRA 7:7)
    (Physics--Study and teaching)

SHCHERBAKOV, N.A. (g. Moskva) BELYAVSKAYA, L.M.

"Electromagnetic oscillations and waves in high school physics
courses". K.N. Elizarov. Reviewed by N.A. Shcherbakov, N.M.
Beliavskaia. Fiz. v shkole 15 no.3:80-82 My-Je '55. (MLRA 8:6)

1. Kolpashevskiy uchitel'skiy institut, Tomskaya oblast' (for
Belyavskaya).
(Electromagnetic theory--Textbooks)
(Electric waves--Textbooks) (Elizarov, K.N.)

Shcherbakov, N. A.

USSR/General Problems - Problems of Teaching   A-3

Abst Journal : Referat Zhur - Fizika, No 12, 1956, 33624

      Author : Yevropin, G. P., Shcherbakov, N. A.

Institution : None

       Title : Teaching the Topic "Change of the Aggregate State of Matter"
               (an Aid to Beginning Teachers)

    Original
    Periodical : Fizika v Shkole, 1956, No 6, 29-35

    Abstract : None

        Card 1/1

47-6-31/37

AUTHOR: Shcherbakov, N.A., Distinguished Teacher of the RSFSR School
            (Moscow)

TITLE: About the Book "Istoriya Fiziki" by Professor P.S. Kudryavtsev
            (O knige professora P.S. Kudryavtseva "Istoriya fiziki")

PERIODICAL: Fizika v Shkole, 1957, # 6, pp 85 - 86 (USSR)

ABSTRACT: The article is a review of the "Istoriya Fiziki" written
            by P.S. Kudryavtsev and published in two volumes. The review
            is from the standpoint of a teacher who has welcomed the issue
            of the book.
               The article deals briefly with every chapter of the book.
               The reviewer has the opinion that teachers will find the
            work to be of limited practical use. He asks that this be
            taken into consideration in the next editions.
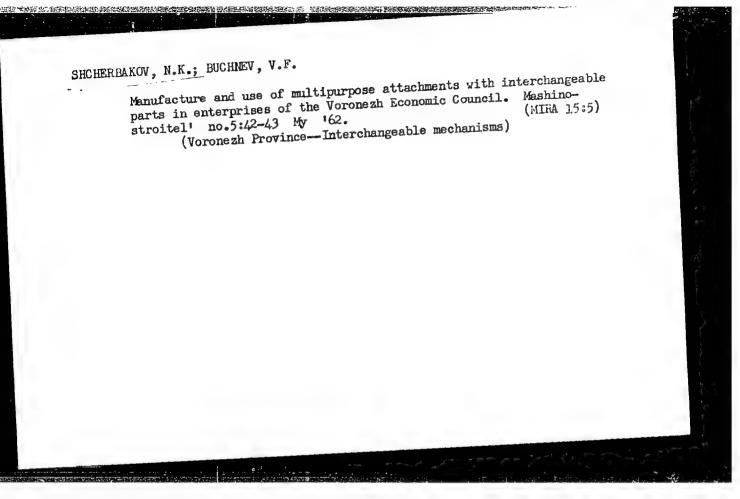
AVAILABLE: Library of Congress
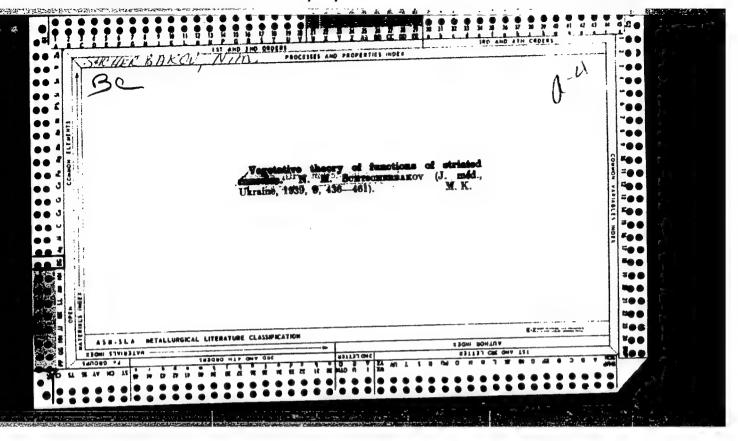
Card 1/1

POMINOVA, Galina Ivanovna; SHCHERBAKOV, N.G., red.; NIKOLAYEVA, I.I., red.izd-va; KORNYUSHINA, A.S., tekhn.red.

[Rafts on rivers and lakes] Rechnye i ozernye ploty. Moskva, Goslesbumizdat, 1959. 96 p.   (MIRA 13:6)
         (Lumber--Transportation)

SHCHERBAKOV, N.G., inzhener; GUSEV, V.S., inzhener;

Using VOT steam generator at the Kazan Fat Combine. Masl.-zhir.
prom. 21 no.3:32-33 '56.   (MLRA 9:8)

1. Kazanskiy zhirkombinat.
                (Boilers) (Phenyl ether)

SHCHERBAKOV, N.G.

Noncatalyzed continuous splitting of fat in the autoclave. N. G. Shcherbakov and V. F. Sokolov (Fat Combine, Kazan). *Masloboino-Zhirovaya Prom.* 23, No. 9, 29–31 (1957).—Description with diagrams of an app. for a continuous noncatalyzed splitting of fat at Kazan Fat Combine. Vladimir N. Krukovsky

SEREBAKOV N. I.

KUZNETSOV, V.I., polkovnik med. sluzhby; BARONOV, V.A., polkovnik med. sluzhby;
TITOV, A.I., polkovnik med. sluzhby, dots.; FIALKOVSKIY, V.V., polkovnik
med. sluzhby; SMIRNOV, K.K., polkovnik med. sluzhby, kand. med. nauk;
DOVZHENKO, G.I., polkovnik med. sluzhby; DIVNENKO, P.G., polkovnik med.
sluzhby; GORYUSHIN, G.S., podpolkovnik med. sluzhby; SHCHERBAKOV, N.I.
podpolkovnik med. sluzhby; ZHUK, Ye. G., podpolkovnik med. sluzhby; BUTOMO,
N.V., mayor med. sluzhby; PREOBRAZHENSKIY, P.V., mayor med. sluzhby;
TIKHONOV, K.B., mayor med. sluzhby

Clinical manifestations in subjects exposed to prolonged ionizing ir-
radiation. Voen. med. zhur. no.2:40-43 F '57   (MIRA 12:7)
          (RADIATIONS, effects,
               clin. manifest. in subjects exposed to prolonged ionizing
               irradiation (Rus))

BRENNEYSEN, Georg Edmundovich; SHCHERBAKOV, Nikolay Ivanovich; LOTYSHEV,
I.P., red.; RUCHYEV, L.I., tekhn. red.

[Park of the "IUzhnye Kul'tury" State Farm; a short guide]Park
sovkhoza "IUzhnye kul'tury"; kratkii putevoditel'. Krasnodar,
Krasnodarskoe knizhnoe izd-vo, 1959. 60 p.   (MIRA 16:3)
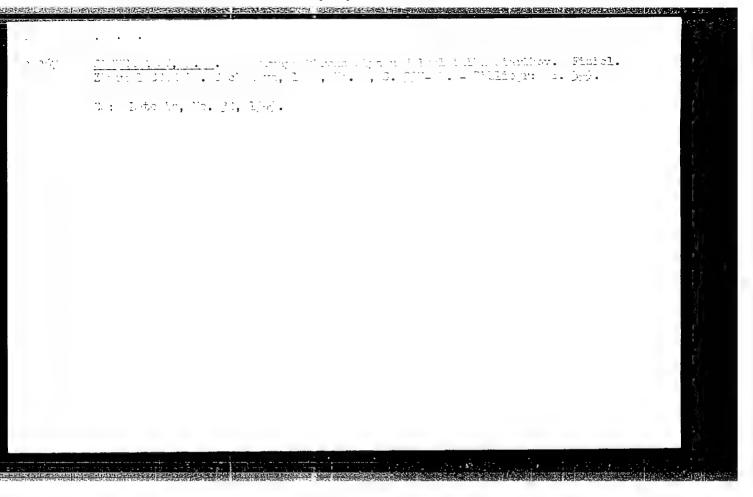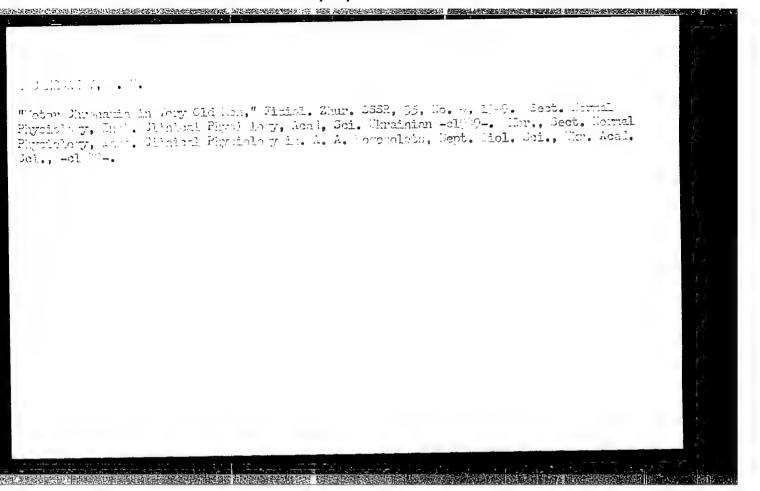   (Adler region--Arboretums)

SHCHERBAKOV, N.K.; BUCHNEV, V.F.

Manufacture and use of multipurpose attachments with interchangeable parts in enterprises of the Voronezh Economic Council. Mashino-stroitel' no.5:42-43 My '62.   (MIRA 15:5)
          (Voronezh Province—Interchangeable mechanisms)

SHCHERBAKOV, N.M.

Bc

PROCESSES AND PROPERTIES INDEX

Vegetative theory of functions of striated ... N. M. Shcherbakov (J. méd., Ukraine, 1939, 9, 436—461). M. K.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

Blood changes in fatigue. N. M. Shcherbakov. *J. med.*, *Ukraine* 10, 529 27(1940). —In the first stage of fatigue in strenuous work plasma CO_2 and blood sugar decrease, sedimentation rate, red-cell count, and hemoglobin concn. increase.   In the second stage during a short period of work plasma CO_2 and sedimentation rate are reduced, dry residue, red-cell count and hemoglobin concn. are increased; no. of lymphocytes is increased, while neutrophiles and eosinophiles are reduced. With more prolonged work plasma CO_2 and blood sugar decrease; red-cell count and hemoglobin concn. are increased; leucocytes are slightly increased, monocytes are increased absolutely and in percentage. With very prolonged work, plasma CO_2 increases, blood sugar decreases, hemoglobin, red- and white-cell count increase; lymphocytes increase in percentage.   B. C. P. A.

Muscle chromaxie in old age. B. V. Krajuchin and N. M. Schtscherbakov. *U. Med. Ukraine*, 1940, **10**, 529—536). —Chronaxie of the biceps muscle was greater in women aged 90—110 than in men of corresponding age (average val. 0·179 m-sec.). This hyperexcitability characterises the first phase of degeneration of the muscular system. Chronaxie of the triceps muscle was diminished in women (0·097 m-sec.), while in men the val. was 0·109 m-sec. The rheobase of biceps, triceps, and gastrocnemius is higher in women than in men. M. K.

J. DID... ..., . .

"Motor Dynamics in Very Old Men," Fiziol. Zhur. SSSR, 35, No. ., 14-9. Sect. Normal
Physiology, Inst. Clinical Physiology, Acad. Sci. Ukrainian -cl 9-. Dir., Sect. Normal
Physiology, ... Clinical Physiology i.. A. A. Bogomolets, Dept. Biol. Sci., Ukr. Acad.
Sci., -cl --.

SHCHERBAKOV, N.M.; MOSKETI, K.V.

Methods for studying conditioned and unconditioned reflex activity in
patients with nervous and psychic diseases. Uch.zap.Len.un.no.176:290-
296 '54.   (MLRA 9:9)

1. Iz fiziologicheskoy laboratorii Odesskogo psikho-nevrologicheskogo
instituta.
(REFLEXES) (CONDITIONED RESPONSE) (NERVOUS SYSTEM--DISEASES)

SHCHERBAKOV, N.M.; SOKOLOVA, Ye.A.

Effect of light and darkness on conditioned reflex activity.
Fiziol.zhur. (Ukr.) 1 no.1:15-24 Ja-F '55.   (MLRA 9:9)

1. Odes'kiy psikhonevrologichniy institut, Laboratoriya fiziologii.
    (CONDITIONED RESPONSE)
    (LIGHT--PHYSIOLOGICAL AFFECT)

SHCHERBAKOV, N.M.

[Electric sleep; methodological instructions for physicians]
Elektroson; metodicheskie ukazaniia dlia vrachei. Odessa,
Odesskii nauchno-issl. psikhonevrologicheskii in-t, 1958. 21 p.
(MIRA 14:7)

(ELECTRIC ANESTHESIA)

SHCHERBAKOV, N.M.

Neurodynamographic characteristics of phases of the pathological
process in nervous and mental diseases. Trudy Gos. nauch.-issl.
psikhonevr. inst. no.20:405-411 '59.   (MIRA 14:1)

1. Nauchno-issledovatel'skiy psikhonevrologicheskiy institut.
            (NERVOUS SYSTEM—DISEASES)
    (REFLEXES)   (MUSCULUS QUADRICEPS FEMORIS)

SHTERNBERG, M.M.; KROLOTOV, I.T. (Odessa)

Cross reflexes in patients with prolonged unilateral algesic stimulations. Zhur.nevr. i psikh. 66 no.1:17-23 '66.
(MIRA 19:1)

1. Submitted December 28, 1964.

FOMIN, A.V., kand. tekhn. nauk; MANUSADZHYANTS, O.I., inzh.;
    SHESTUKHIN, V.I., inzh.; SHCHERBAKOV, N.N., inzh.;
    BARANOV, A.Ya., red.; BODANOVA, A.P., tekhn. red.

[Operational characteristics of motor vehicle diesel
engines] Ekspluatatsionrye kachestva avtomobil'nykh dizel'-
nykh dvigatelei. Moskva, Avtotransizdat. No.2. 1963. 42 p.
                                (MIRA 17:1)

SHESTUKHIN, Vasiliy Ivanovich; SHCHERBAKOV, Nikolay Nikolayevich;
BARANOV, A.Ya., red.

[Operation of the IAMZ engines] Ekspluatatsiia dvigatelei
IAMZ. Moskva, Transport, 1964. 72 p.   (MIRA 18:3)

YERMOLAYEV, P.V.; FEDOTOV, V.V.; SHCHERBAKOV, N.P.; SAYTANIDI, L.D.,
tekhn.red.

[Decrees and instructions on labor for agricultural workers]
Sbornik postanovlenii i rasporiazhenii po trudu dlia rabot-
nikov sel'skogo khoziaistva. Moskva, Izd-vo M-va sel'skogo
khoz. RSFSR, 1958. 252 p.   (MIRA 12:6)

1. Russia (1917- R.S.F.S.R.) Upravleniye normirovaniya truda
i zarabotnoy platy.
      (Agricultural laws and legislation)

TROFIMOV, N.P.; AREF'YEVA, S.A.; KOMAROVA, T.A.; LITVINENKO, T.G.; SEMOV,
        V.A.; SKOSYREVA, N.A.; SHCHERBAKOV, N.P.; FEDOROV, P.I., otv.red.;
SAYTANIDI, L.D., tekhn.red.

[Wages on state farms; a collection of materials on wages and work
norms for state farms] Oplata truda v sovkhozakh; sbornik materialov
po oplate truda i normam vyrabotki v sovkhozakh. Moskva, Izd-vo M-va
sel'.khoz.RSFSR, 1960. 380 p.   (MIRA 13:5)

1. Russia (1917- R.S.F.S.R.) Ministerstvo sel'skogo khozyaystva.
Upravleniye organizatsii truda i zarabotnoy platy. 2. Upravleniye
organizatsii truda i zarabotnoy platy Ministerstva sel'skogo kho-
zyaystva (for all except Fedorov, Saytanidi).
        (Wages)   (State farms)

GAL'YANCV, V.M.; SHCHERBAKOV, N.P.

Vibratory unit for washing small parts. Sbor.rats.predl.vnedr.v proizv. no.1:57 '61.   (MIRA 14:7)

1. Serovskiy metallurgicheskiy kombinat.
                          (Washing machines)

SHCHERBAKOV, N.I.

Utilization of carbon dioxide in the Simferopol' Brewery, Perm. i
spirt.prom. 31 no.3:37-38 '65.   (MIRA 18:5)

FEDOROV, S.V.; SOKOLOV, A.D.; SHCHERBAKOV, N.S.

Instrument for determining the content of magnetic inclusions in nonmagnetic materials. (Magnetic analyzer of the MA-1 type). Plast. massy no.8:63-64 '60.   (MIRA 13:10)
                    (Materials--Analysis) (Magnetic materials)

TATOMIR, K.I.; FUNT, Ye.A.; BLOSHENKO, I.K.; SHCHERBAKOV, N.V.

Cost of supporting development workings of Donets Basin mines in relation to the depth of their location. Sbor.trud.Inst.gor.dela AN URSR no.8:98-106 '61.   (MIRA 15:2)
              (Donets Basin--Mine timbering--Costs)

SHCHERBAKOV, N.V.

Mechanical study of thermodynamic cycles. Nauch.trudy Tul.gor.
inst. no.3:164-175 '61.   (MIRA 16:4)
                    (Thermodynamics)

S/182/61/000/009/005/005
D036/D112

AUTHOR: Shcherbakov, N.Ye.

TITLE.   A plant's experience on burrless hammer forging

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, no. 9, 1961, 47-49

TEXT: The author states that some specialists claim that the new burrless
method is defective, whereas it was proved in practice that the defects in
the method were due not to the method itself but to the poor design of dies
used until now. A description of the new stamping process for manufacturing
two buffer-type rods and double pinions at the Chelyabinskiy traktornyy
zavod (the Chelyabinsk Tractor Plant) is included. The stamping die for
the two buffer-type rods has two preliminary passes: a broaching pass and
an edging pass. The latter is used for the distribution of metal along the
entire length of a blank to ensure a coaxial correlation of the cylindrical
and conical parts of the blank. The stamping die for the double pinion has
a preliminary pass in which the blank receives its final shape and then it
is stamped in the final pass. The two dies are provided with pushers for

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SHCHERBAKOV, N.Ye.

In the electric interlocking section of the railroad yard of Povorino.
Avtom., telem. i sviaz' 5 no.12:21-25 D '61.   (MIRA 14:12)

1. Starshiy elektromekhanik elektricheskoy tsentralizatsii stantsii
Povorino Yugo-Vostochnoy dorogi.
                              (Povorino--Railroads)

L 00814-67   EWT(m)

ACC NR: AP6027570 (N)   SOURCE CODE: UR/0401/66/000/006/0026/0027

AUTHOR: Kanatov, I. (Colonel; Docent; Candidate of technical sciences);
Shcherbakov, O. (Engineer; Captain)

ORG: none

TITLE: Simplest shelters offer good protection

SOURCE: Starshina-serzhant, no. 6, 1966, 26-27

TOPIC TAGS: fallout shelter, radiation shielding, nuclear blast effect

ABSTRACT: The authors analyze the effects of nuclear blasts and discuss various
types of basic shelters for use by the military. The simplest shelter described con-
sists of a split trench 150 to 180 cm deep, 120 cm wide at the top and 50 to 60 cm
wide at the bottom. The length is 50 to 60 cm per seated person and 180 cm per
reclining person. A more elaborate and effective version of the same is lined with
logs at least 12 cm thick, concrete slabs, firewood, or rocks. A larger version of
the split trench is 140 to 160 cm wide at the top and 100 to 120 cm wide at the bottom
and is 180 cm deep. It is equipped with pallets. The author notes that a 60-cm earth

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L 00814-67

ACC NR: AP6027570

cover reduces radiation effects 25 times. Other types of simple shelters described
are recesses or niches and nine-shaft-type dugouts . The niches can be installed
in the sides of ditches, in slopes or excavations, and are usually 70 x 70 cm in
cross section and 160 to 180 cm long, with a protective earth cover at least 75 cm
th ck. The walls are reinforced with planking, end poles and slabs. The nine shaft
dugouts are made to hold one or two men, are 180 to 200 cm deep, and have a
100 x 100 cm cross section. The walls are reinforced with firewood, round con-
crete rings, or cross bars if the soil is loose.   [GC]

SUB CODE: 15, 18/   SUBM DATE: none/

Card   2/2 vlr

SHCHERBAKOV, O.A.; GARAN', I.M.; POSTOYALKO, M.V.; BURYLOVA, R.V.;
 VOSHCHAKIN, M.A.; PIROZHKOVA, Z.A.

 Stratigraphy of the boundary layers of the Tournai and V.sé
 stage in the Central Urals. New data based on the profile in
 the railway groove between the Upper and Lower Gubakha. Dokl.
 AN SSSR 158 no.1:112-115   S-O' 64   (MIRA 17:8)

 1. Predstavleno akademikom D.V. Malivkinym.

study of particulate transfer by air mobile transportation.
Latvj. state Univ. Zin. R. 8 la 165.   (MIRA 18:3)

SHCHERBAKOV, C. A., inzh.

Laying tracks on curves of small radius by the PB-2 tracklayer.
Transp. stroi. 15 no.5:8 My '65. (MIRA 18:7)

SHCHERBAKOV, O.A., inzh.

Installing rectangular culverts between traffic. Transp. stroi.
16 no.1:14-15 Ja '66.   (MIRA 19:1)

L 10520-63   EWP(k)/EWP(q)/EWT(m)/BDS--AFFTC/ASD--Pf-4--JD

ACCESSION NR: AP3000960   S/0135/63/000/005/0006/0009

AUTHOR: Astaf'yev, A. S. (Candidate of technical sciences); Gulyayev, A. P.
(Doctor of technical sciences); Shcherbakov, O. B. (Engineer)

TITLE: Effect of alloying elements on weldability of high-strength steels

SOURCE: Svarochnoye proizvodstvo, no. 5, 1963, 6-9

TOPIC TAGS: high-strength steel, weldability, heat-affected zone, alloying
element, cooling rate

ABSTRACT: The effect of C, Mn, Si, Cr, and V on the weldability of high-strength
bainitic steels, primarily on mechanical properties of the heat-affected zone,
has been investigated. Small heats containing C from 0.19 to 0.37%, Mn from
1.0 to 2.3%, Si from 0.49 to 2.3%, Cr from 0 to 2.4%, and V from 0.12% melted
in a laboratory arc furnace were rolled into plates 5 mm thick, annealed at
1000C, and air-cooled. Plate specimens were subjected to simulated welding
cycles (rapid heating to 1350C and cooling with rates varying from 0.15 to
600C/sec) in the IMET-1 machine. It was found that by limiting the contents
of C to 0.24 to 0.25%, Mn and Cr to 1.5 to 1.6% each, and Si to 0.5%, a

Card 1/2

ASTAF'YEV, A.S.; GULYAYEV, A.P.; SHCHERBAKOV, O.B.

Effect of addition alloys on the properties of the heat-affected
zone of a weld joint in high-strength reinforcement steel. Sbor.
trud TSNIICHM no.35:132-142 '63.   (MIRA 17:2)

ASTAF'YEV, A.S.; SHCHERBAKOV, O.B.

Effect of alloying elements on the properties of 18G2 steel
during the welding cycle. Avtom. svar. 17 no.4:32-37   Ap '64
(MIRA 18:1)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy
metallurgii imeni I.P.Bardina.

SHCHERBAKOV, O.O., inzh.

Practices in the transportation of 25 m. lengths to the place
where they are laid. Transp. stroi. 14 no.9:14-15 S '64
(MIRA 18:1)

THUANERLY T, . .

'Principal Problems of Power Packs for Digital Electronic Machines" a paper presented at the Conference on Methods of Development of Soviet Mathematical Machine-Building and Instrument-Building, 12-17 March 1,5..

Translation No. 5 , *0 Oct 5

SHCHERBAKOV, O.K.

[Electronic and transistor voltage regulators for low and
medium power d.c. and a.c. generators] Elektronnyi i polu-
provodnikovyi reguliatory napriazheniia dlia generatorov po-
stoiannogo i peremennogo toka maloi i srednei moshchnosti.
Moskva, In-t tochnoi mekhaniki i vychislitel'noi tekhn.
Akad. nauk SSSR, 1957. 18 p.   (MIRA 15:2)
    (Electric generators)   (Voltage regulators)

SHCHERBAK V C K

PHASE I BOOK EXPLOITATION   711

Akademiya nauk SSSR. Institut tochnoy mekhaniki i vychislitel'noy tekhniki
   Vychislitel'naya tekhnika (Computer Engineering) Moscow, Izd-vo AN SSSR,
   1958. 150 p. 4,500 copies printed.

Responsible Ed.: Lebedev, S. A., Academician; Ed. of Publishing House:
   Grigor'yev, Ye. N.; Tech. Ed.: Prusakova, T. A.

PURPOSE: This book is intended for specialists engaged in the design and use
   of electronic computers.

COVERAGE: A number of problems of computer engineering is discussed in this
   collection of articles. The power supply system of high-speed electronic
   computers of the USSR Academy of Sciences, new computer components and
   devices, and methods of controlling arithmetic units are covered in this
   publication. Methods of selecting the necessary word from the mechanical
   dictionary in machine translation and the terminology of modern computing
   machines are also presented. For references see Table of Contents.

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From the Editor   3

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Computer Engineering

711

contains a number of trigger diagrams and characteristics. There are 9 references, of which 5 are Soviet (including 1 translation) and 4 English. No personalities are mentioned.

Volkov, Ye. A. A Method of Automatic Control of a Sequential Arithmetic Unit   112

A brief discussion of the operation of a binary-code sum circuit is given and the methods of addition and multiplication are presented. There are 2 references of which 1 is English and 1 Czech. No personalities are mentioned.

Korolev, L. N. Methods of Selecting the Necessary Word From the Dictionary   116

This article discusses the problem of word selection from the mechanical dictionary. Four different search methods for obtaining necessary information are presented. There is 1 English reference.

Matyukhin, N. Ya., Rosnitskiy, O.V. Ferrite-Core Operation in Matrix Memory Devices   119

The problem of selecting the proper operating conditions for the most useful performance of a ferrite core is presented, and an analysis of core operation is made in this article. The interferences existing in matrix devices are covered and methods of eliminating them are briefly discussed. It is stated that the methods of determining ferrite-core quality discussed in this article were studied experimentally in the Lab-

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Computer Engineering

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G. K. Rakov, and V. I. Shestakov for their valuable comments. There are 2 references of which 1 is Soviet and 1 English.

AVAILABLE: Library of Congress

JP/fal
10-15-58

Card 5/5

28(2),9(4),9(6) SOV/44-59-9-9550

System of the Electrical Feed of the BESM of the AS USSR

current with respect to the stability, order of cut-in and prophylactic examination. He gives data on the durability and the variation of the characteristics of the thermionic valves. For all elements of the device the author gives the limits of the stable working with respect to the feed voltage. It is remarked that for a reliable long work of the device the stability of the feeding voltages has to amount at least $\pm$ 2%. For the diminution of the influence of the impulse disturbances continuously charged accumulators are installed. The careful assembly and the diminution of the ohmic resistance and the inductive resistance of the ground bar are considered. The article contains many concrete data on several parameters of the feed system of a large computer as well as a survey on correct methods of exploitation, control, and service. The author gives a diagram of operating troubles caused by the electro-feed; the diagram characterizes the degree of reliability of the system of electro-feed developed for BESM. Bibliography 5 titles.

A.F.Smirnov

Card 2/2

D-C Sources for Computers   SOV/4660

sudden change of load up to 50%. There are 6 references: 5 Soviet and 1
English.

TABLE OF CONTENTS:

AVAILABLE: Library of Congress (QA76.85)

                                                      JP/rsm/fal
Card 2/2   1-5-61

SHCHELBAKOV, O.K.; TELEKHIN, M.A.

[Design of stabilized rectifying devices for electronic
computers]Inzhenernyi raschet stabilizirovannykh vypriami-
tel'nykh ustroistv dlia vychislitel'nykh mashin. Moskva,
In-t tochnoi mekhaniki i vychislitel'noi tekhniki Akad. nauk
SSSR, 1961. 61 p.   (MIRA 15:10)
          (Electronic calculating machines)
        (Electric power supply to apparatus)
          (Electric current rectifiers)

BAZAROV, S.I.; SHCHERBAKOV, O.K.

[Power sources for transistorized computers] Istoch-
niki pitaniia dlia poluprovodnikovykh vychislitel'-
nykh mashin. Moskva, Akad. nauk SSSR, 1964. 48 p.
                                        (MIRA 17:1)

L 41286-65   EWT(m)/EWP(t)/EWP(b)   IJP(c)   JD/JG
ACCESSION NR: AR5003005   s/0081/64/000/020/L008/L008   //
                                                                             B

SOURCE: Ref. zh. Khimiya, Abs. 20L44

AUTHOR: Shcherbakov, O. K.

TITLE: One peculiarity of sodium hexametaphosphate in the flotation of rare metal
and rare earth concentrates   27

CITED SOURCE: Tr. N.-i. i proyektn. in-ta obogashch. i mekhan. obrabotki polezn.
iskopayemykh Uralmekhanobr, vyp. 11, 1964, 25-28

TOPIC TAGS: ore refining, ore flotation, rare metal refining, rare earth refin-
ing, sodium hexametaphosphate, euxenite, thorite, hatchettolite, zircon, modify-
ing agent

TRANSLATION: The author investigated the crude collective concentrates obtained
by flotation from ores characterized by complex rare metal - rare earth minerali-
zation (euxenite, thorite, pyrochlor-hatchettolite, zircon) and by a fine (0.05-
0.1 mm) dissemination of the valuable minerals. Triple refining of these con-
centrates without reagents permits part of the barren rock to be isolated without

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ACCESSION NR: AR5003005

significantly lowering the indices of enrichment. With the use of modifying re-
agents (Na_2CO_3, liquid glass and Na_2SiF_6 in the ratio 4:2:1) and contact with
the minerals of the pulp for 25-30 minutes, by far the largest part of the valu-
able minerals remains in the froth. When sodium hexametaphosphate is used at a
ratio of 1.2 kg/metric ton, the content of valuable components is doubled, with
a high rate of recovery (96-97%). A. Shmeleva.

SUB CODE: IC, MM   ENCL: 00

Card 2/2

L 22565-65   EEC(b)-2/EWA(h)/EWT(1)   Pg-4/Pl-4/Pm-4/Po-4/Pq-4/Peb
ACCESSION NR: AT5002489   S/2720/64/002/000/0218/0227

AUTHOR: Shcherbakov, O. V. $B+$

TITLE: Mathematical problems in the estimate of the reliability of digital
computers

SOURCE: Kibernetiku - na sluzhbu kommunizmu, v. 2, 1964. Teoriya nadezhnosti i
teoriya massovogo obsluzhivaniya (Thoery of reliability and theory of mass
service), 218-227

TOPIC TAGS: digital computer, reliability, fault probability, fault detection

ABSTRACT: The need is pointed out for making computer reliability studies during
the design stage, when many reliability requirements can be ensured by selecting
suitable circuitry and providing the required spare elements. Such a study can
be mathematically formulated as consisting of three problems: The determination
of the rate of fault occurence in the computer, the study of the servicing and
maintenance of the computer following the occurrence of a fault, and the deter-
mination of quantitative reliability characteristics. These problems are dis-

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ACCESSION NR: AT5002489

cussed from the point of view of probability theory, with expressions derived for the probable time of uninterrupted operation, the probability of finding the fault within a specified time interval, and the relative probabilities of failure of individual units of the computer. The calculations show that the time of fault-less operation and the time necessary to restore operation obey an exponential law. Orig. art. has: 2 figures and 20 formulas.

ASSOCIATION: None

SUBMITTED: 00   ENCL: 00   SUB CODE: IE

NR REF SOV: 001   OTHER: 000

Card 2/2

SUTHERLAND, . ., (Leningrad

Evaluation of random numbers in digital computers. Izv. AN SSSR.
Tekh. kib. no.3:72-78   Je '64.

L 10438-65   EWT(1)/EEC(b)-2/EWA(h)   Pm-4/Po-4/Pg-4/Pg-4/Pl-4/Peb
                                          8/0103/64/025/008/1216/1220

ACCESSION NR: AP4043475

AUTHOR: Shcherbakov, O.   (Leningrad)   B.

TITLE: Determination of the reliability of a complex of devices under the arbitrary law of restoration

SOURCE: Avtomatika i telemekhanika, v. 25, no. 8, 1964, 1216-1220

TOPIC TAGS: equipment reliability, in commission rate, exponential distribution law, failure rate

ABSTRACT: Estimation of the reliability of a complex of devices is studied under the assumptions that the distribution law of the restoration time and the distribution law of the time of operating without failure are arbitrary (not exponential) and that the restoration process begins immediately after the failure occurs. A complex of n single-type devices consisting of m working and of n-m redundant devices is taken. With the provision that restoration of devices and their failures are independent events, the probability of no-failure operation (the in-commission rate) of the complex at any arbitrary instant is derived in the form

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L 10438-65

ACCESSION NR: AP4043475

$$P_1 = 1 - \sum_{k=n-m+1}^{n} \frac{C_n^k M^k}{(1+M)^n},$$

where $M = \lambda/\beta$, λ is the failure rate, and β is the restoration rate. The probability of no-failure operation of the complex of devices during the time τ, and under the assumption that the distribution law of the time of no-failure operation is exponential, is given by the formula:

$$P(\tau) = \exp\left[-\frac{C_n^{n-m} M^{n-m}}{(1+M)^n} \lambda m \tau\right].$$

Orig. art. has: 17 formulas.

ASSOCIATION: none

SUBMITTED: 25Feb63   ATD PRESS: 3110   ENCL: 00

                             NO REF SOV: 004   OTHER: 000
SUB CODE: MA

Card 2/2

L 8804-66   EWT(d)/EWT(1)/T/EWA(h)   IJP(c)   TG   *counted jw*

43

ACC NR: AP5026964   SOURCE CODE: UR/0103/65/026/010/1813/1817

44,55

AUTHOR: Shcherbakov, O. V. (Leningrad)

B

ORG: None

TITLE: Evaluation of the quantity of demand losses due to the unreliability of servicing equipment.

SOURCE: Avtomatika i telemekhanika, v. 26, no. 10, 1965, 1813-1817

TOPIC TAGS: reliability theory, information theory, statistics

ABSTRACT: Information coming into information-processing points may either immediately be processed, if at least one of the digital computers of the information processing points is not occupied with servicing, or be given access to a special buffer memory unit, thus forming a queue for servicing of the demands. From the viewpoint of the theory of mass servicing, this system is a waiting-time system. Demand losses may be caused by: 1) overloading the memory unit, or 2) failure of the memory unit or input units. The present author investigates the effect of the failure of units on the demand losses. Statistical formulas are derived for determining the mathematical expectation for the number of demands lost in a given length of time. A proof for the general formula is given. Orig. art. has: 18 formulas.

SUB CODE: 09, 12 / SUBM DATE: 12Oct64

JW

Card   1/1   UDC 621.391.13

L 35983-66

ACC NR: AP6008518

determined. Unlimited repair denotes a servicing system whereby restoration is started immediately in any element that has failed, and limited repair denotes a system whereby at any given interval of time only one of all the elements that have failed is restored. The method used is demonstrated on an example of a system consisting of four devices connected in series. It is concluded that in the evaluation of the reliability of sequential systems, the probability of failure-free operations and the probability of restoration are determined by the following formulas:

$$\theta^* = \frac{\theta}{n} \sum_{s=0}^{n-1} (1 + M)^s \tag{1}$$

during unlimited repairs, and

$$\theta^* = \theta \sum_{s=0}^{n-1} A_{n-1}^s M^s \tag{2}$$

during limited repairs.

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L 35983-66
ACC NR: AP6008518

The coefficient of preparedness

$$K_{pr} = \frac{T^{\bullet}}{T^{\bullet} + 0^{\bullet}}.$$

(3)

When the elements of the system have different reliability parameters T_i and O_i, then

$$T^{\bullet} = \frac{1}{\sum_{i=1}^{n}\frac{1}{T_i}}, \quad \text{a} \quad 0^{\bullet} = \frac{1}{\sum_{i=1}^{n}\frac{1}{T_i}}\left[\prod_{i=1}^{n}(1+M_i)-1\right].$$

(4)

during unlimited repairs. Orig. art. has: 13 formulas and 1 figure.

SUB CODE: 14, 12 / SUBM DATE: 18Feb65 / ORIG REF: 002

Card 3/3

SHCHERBAKOV, P.   (Lt. Col., Tech. Serv.)

Listed as author of article, "Equipping a Work Spot for the Overhaul of Counterrecoil Mechanisms," published in Artilleriyskiy Zhurnal, No. 11, 1953. (Sovetskaya Armiya, 25 Nov. 53)

SO: Summary #145, 1 June 1954.